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MAGNETIC HEAD TESTING APPARATUS
Aratani et al.
Greer, Burns & Crain, Ltd.
Ref. No. 2500.69487
Replacement Sheet 1 of 10

Feb. 11, 2004
S.N. 10/676,935
(Josh C. Snider)
(312) 360-0080

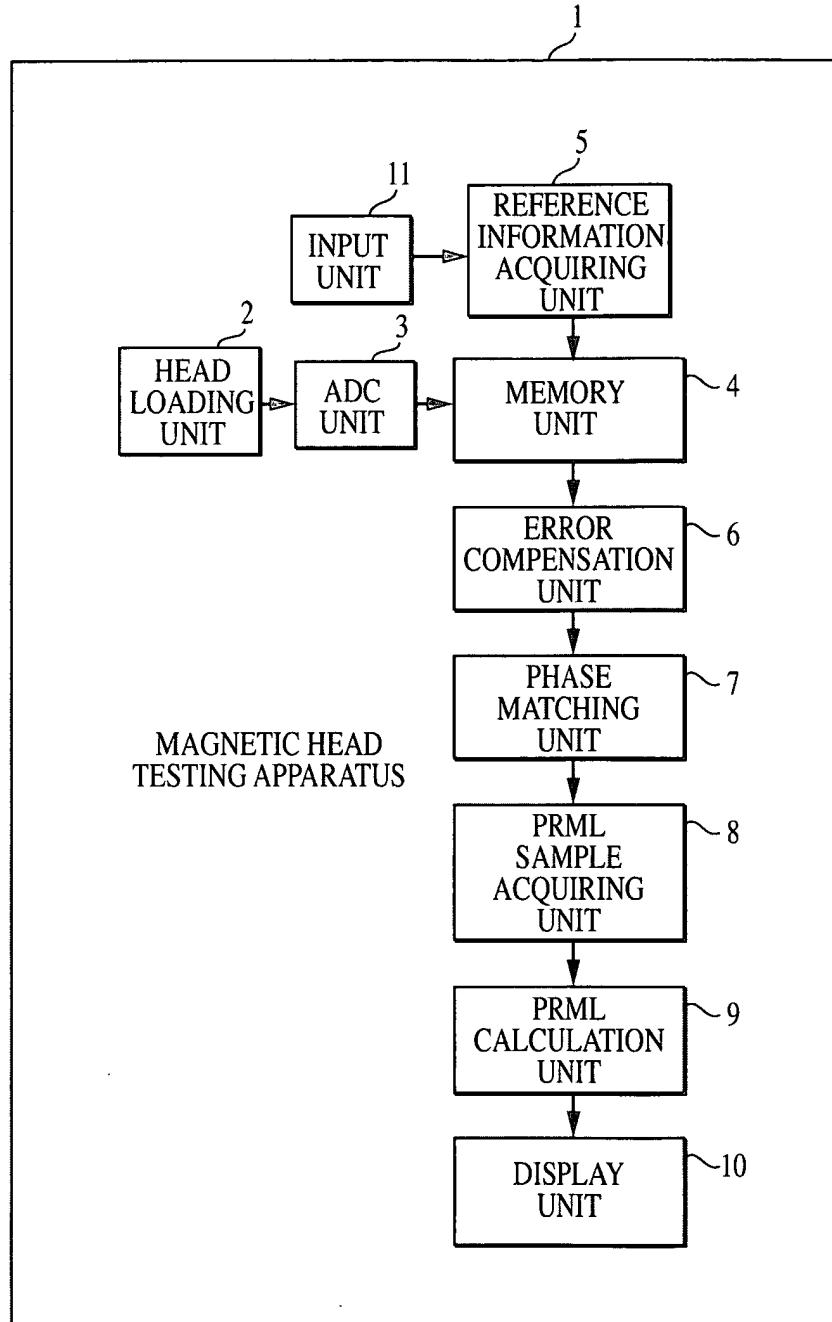


FIG. 1

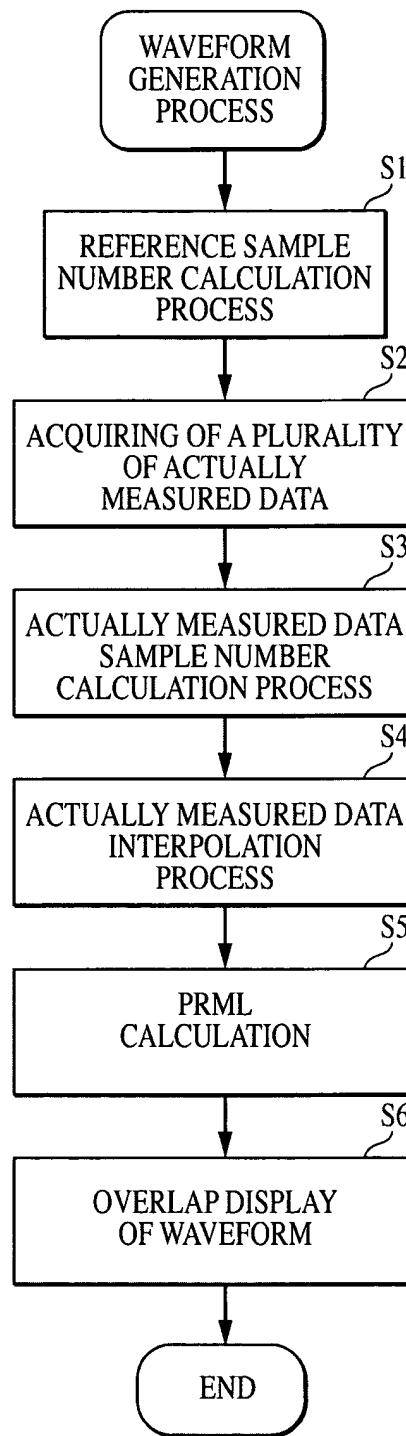


FIG. 2



MAGNETIC HEAD TESTING APPARATUS
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Ref. No. 2500.69487
Replacement Sheet 3 of 10

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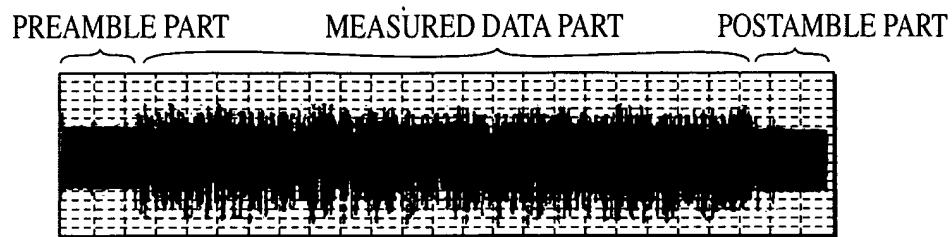
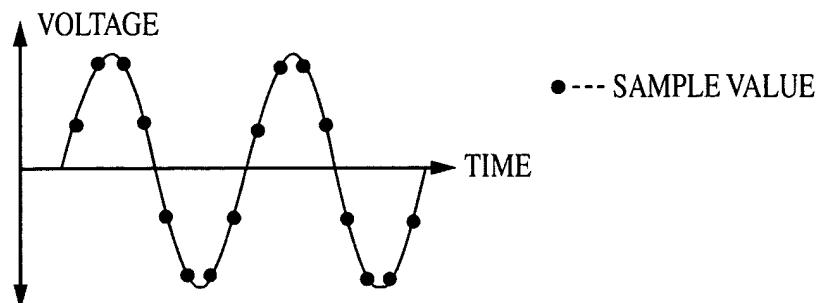


FIG. 3



ADC ASYNCHRONOUS SAMPLING



PHASE ADJUSTMENT

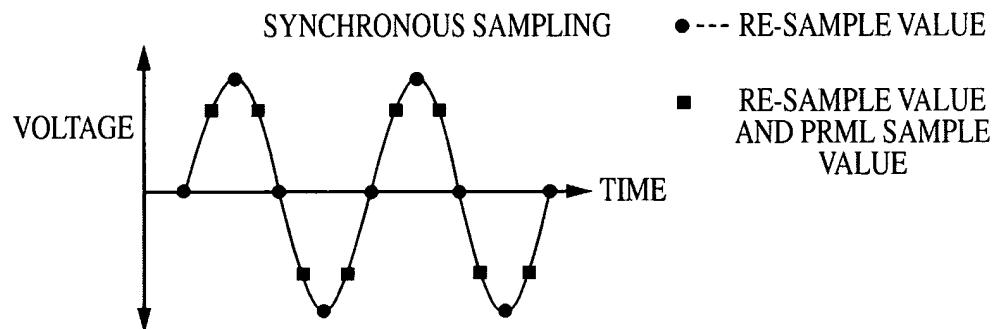
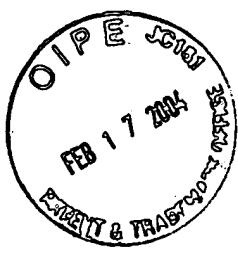


FIG. 4



MAGNETIC HEAD TESTING APPARATUS
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Ref. No. 2500.69487
Replacement Sheet 5 of 10

Feb. 11, 2004
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PREAMBLE ENDING PART-MEASURED DATA LEADING PART

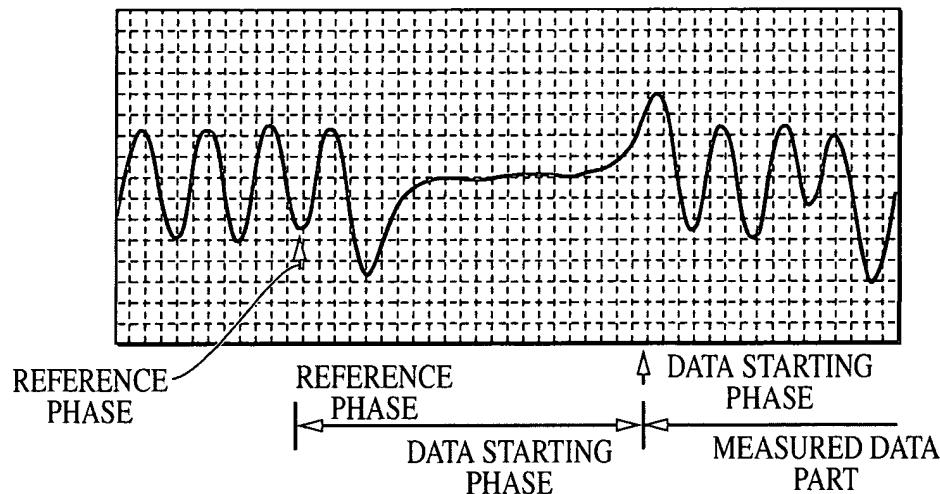


FIG. 5a

MEASURED DATA ENDING PART
POSTAMBLE LEADING PART

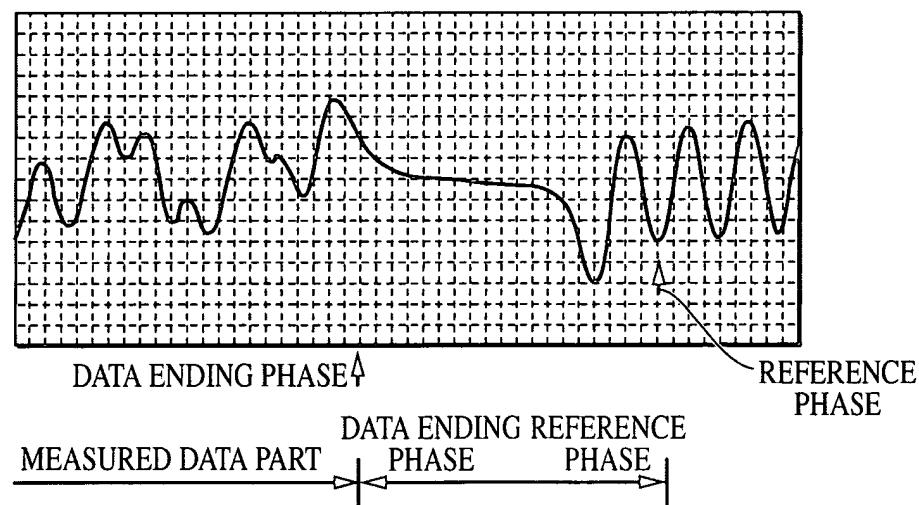


FIG. 5b



NUMBER OF DATA
IS LARGER THAN
REFERENCE WAVEFORM

REFERENCE
(IDEAL) WAVEFORM

NUMBER OF DATA
IS SMALLER THAN
REFERENCE WAVEFORM

NUMBER OF DATA IS THINNED TO
↓
BECOME EQUAL TO
REFERENCE WAVEFORM

↑
NUMBER OF DATA IS
INTERPOLATED TO
BECOME EQUAL TO
REFERENCE WAVEFORM

FIG. 6

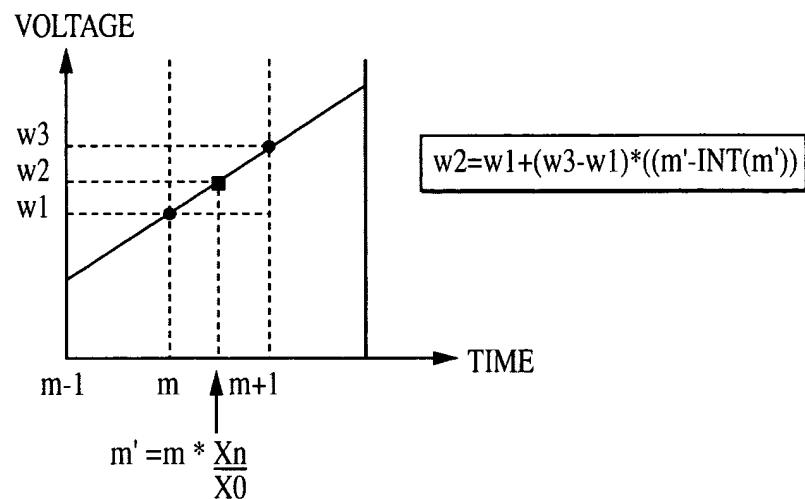


FIG. 7

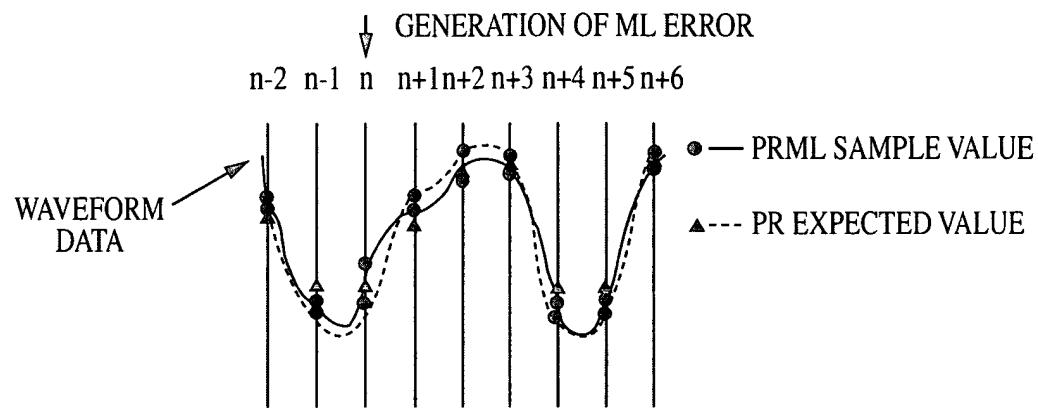


FIG.8

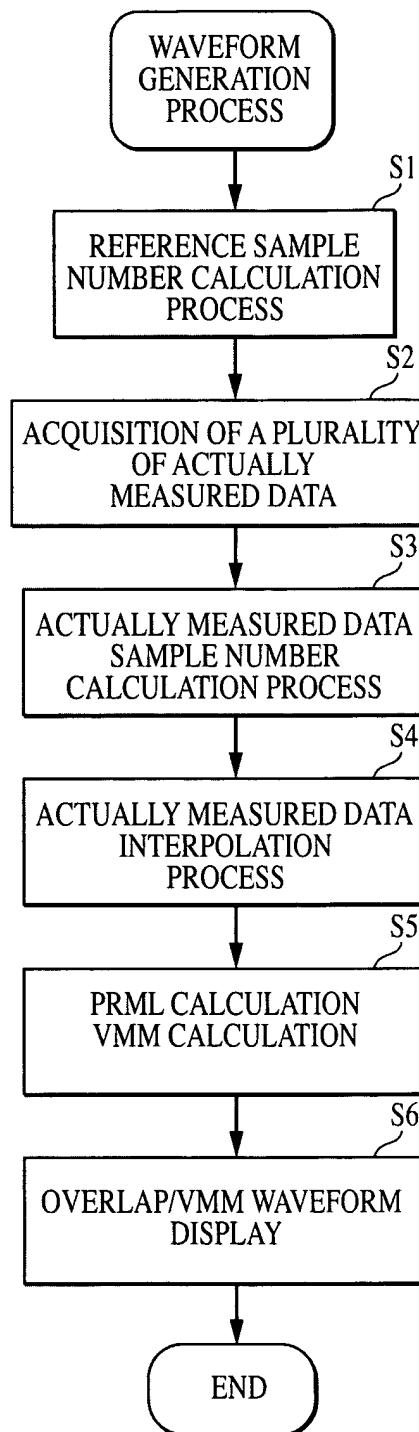


FIG. 9

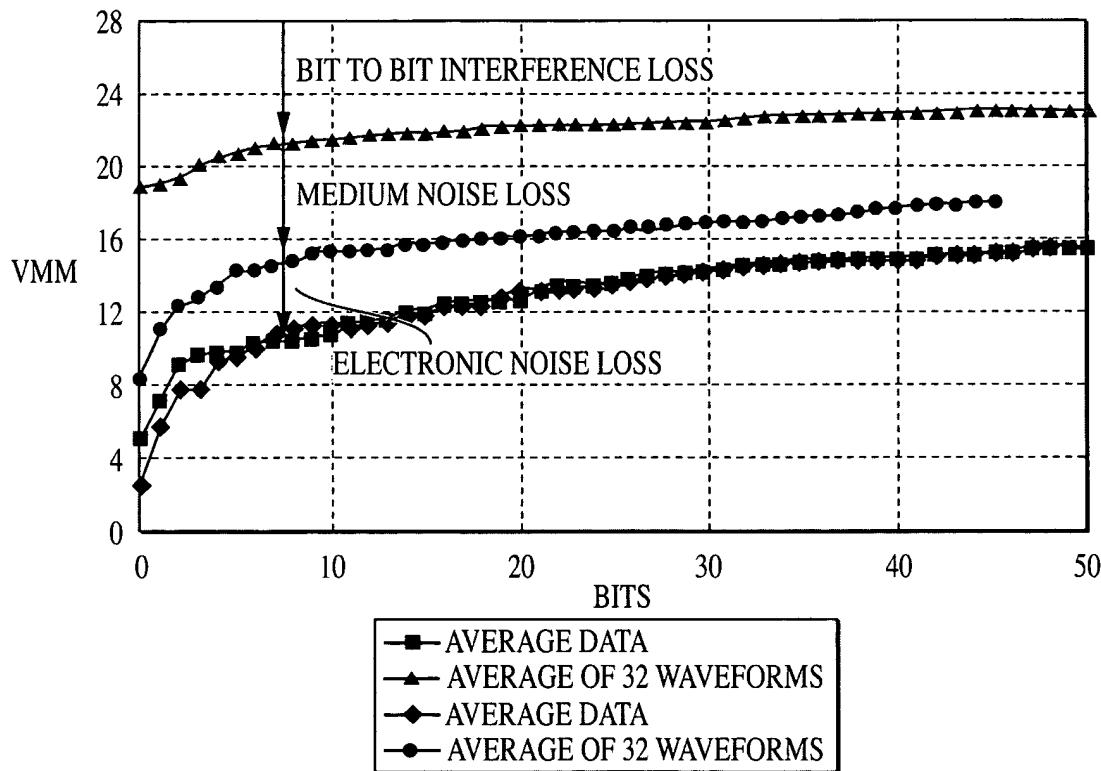


FIG. 10